



WORLD WILDLIFE FUND
SEMI-ANNUAL TECHNICAL PROGRESS REPORT
USAID

October 1, 2000 to March 31, 2001

Protected Areas & Sustainable Resource Management
Amazon Development Policy
Capacity Building

USAID Grant #512-G-00-96-00041

WORLD WILDLIFE FUND
SEMI-ANNUAL TECHNICAL PROGRESS REPORT

May 2001

Component I –Protected Areas – Jaú National Park

Highlights

- Jaú becomes a World Heritage Site: In November 2000, Jaú National Park was officially awarded the title of "World Heritage Site" by UNESCO. Jaú was recommended by IUCN to be included on the exclusive "World Heritage List", and appears as site number 998. The site protects a large and representative sample of the Amazon Central Plain Forest, including the entire hydrological basin of the Jaú River. The site is deemed important for protecting a large portion of the biodiversity associated with a blackwater river system, one of the three types of lymnological systems associated with the Amazon basin. The site is of sufficient size to allow the maintenance of significant on-going ecological and biological processes such as blow downs, changes in the river flooding dynamics, and natural burns, thus providing unique opportunities to study their effect on biodiversity. The efforts of FVA in the Park management were also acknowledged. More information can be located at <http://www.unesco.org/whc/sites/998.htm>
- Better understanding the endangered golden-blacked uakari (*Cacaja melanocephalus ouakari*): A Ph.D. research study of this endangered monkey began during the last expedition, the first time the *Cacajao melanocephalus ouakari* has ever been studied in the field. The study is integrated within the Windows for Biodiversity Project that is carried out by FVA with the support of USAID and WWF.
- Two new bird records in Jaú: Two species of birds (*Myrmotherula klagesi* and *Microhopias quixensis*), new to the Park, were recorded during the last expedition. Furthermore, the same expedition has significantly increased the bat species list.

Progress

- Evaluation of the "Windows for Biodiversity Project" (WBP) – Pilot Phase: All research scientists and FVA staff involved in the WBP participated in an evaluation meeting. Based on the results of the evaluation, the researchers further refined the methodological approach and designed new expeditions within the scope of another "Window". As part of the evaluation, FVA staff carried out an expedition to the Monteiro "Window" in order to test the logistics and the planned activities.
- Infrastructure for logistical support: Both logistical bases (land and floating) of FVA were completely renovated. Also, the FVA expedition boat has been refurbished to better fill the needs of the researchers during the field expeditions.
- Planning of field expedition: Meetings were held to plan expeditions, prioritize themes and actions, and to select research scientists and graduate students to carry out integrated research in the Park. Thirty research scientists will take part in the three expeditions to be carried out April through July of 2001. Inventories were conducted for the following: fauna and flora distribution in the landscape units (Windows); herpetology; ornithology; entomology; botany; mammals (black-ouakari monkey); economic alternatives and human occupation dynamics.
- Field expeditions: During the latter part of 2000, two expeditions were conducted. The first one occurred from October 18 through November 11 in the Seringalzinho "Window", and was composed of four FVA staff members, three assistants (who are also Park residents),

and three researchers. Surveys focused on the ecology of the black-ouakari and the inventory of bat species. The survey of the black-ouakari aimed at establishing first contacts with groups of the monkeys and at listing preferences of habitats and food. The black-ouakari is very elusive, making it difficult to habituate a group to human presence. In spite of that, eight contacts were made with groups varying from 1 to 100 individuals, ranging from upland forest, flooded forest, and *campinaranas*. Using direct observations and community inventories, 67 species of plants that are part of the diet of the black-ouakari were identified. The inventory of species of bats was resumed on upland forest, flooded forest and farmlands (crops and vicinity of houses). Twelve nights of sampling resulted in the capture of 67 individuals of 27 distinct species. Combined with the two previous surveys, this sampling added 40 to the number of species of bats occurring within the boundaries of Jaú National Park. One field assistant and one researcher participated in the second expedition conducted in the period of December 28 through January 1st on the Jaú River estuary and Negro River islands. Research focused on the inventory of birds in flooded forest areas, and a total of 94 species were listed. The first expedition for 2001 is scheduled to begin on April 5, and will include 35 participants (researchers and assistants). Reports of the expedition will be prepared for the next semi-annual technical progress report.

- **Development of database:** The design of the functional database has progressed. The FVA GIS specialist (Marcos Pinheiro) received further training in the use of GIS at the National Institute of Space Research (INPE) and became acquainted with a series of database design experiences. Specific forms, geo-referenced systems, and cartographic techniques that will serve as input to the database have all been applied, and data was gathered during the expeditions.
- **Management Plan:** All the researchers involved in the Management Plan of Jaú concluded that the socio-economic issues need to be better addressed during the expeditions of 2001. In spite of that need for improvement, Jaú National Park Management Plan is becoming a reference in the Amazon region for community-based natural resource management in protected areas, largely due to FVA's decade-long experience. As a reflection of that increased credibility, FVA has been invited by the state governments of Amazonas and Amapá, as well as by the regional press, to participate in the discussions of the ongoing Economic and Ecological Zoning processes.
- **Technical Publications:** FVA published one paper describing the use of GIS techniques in the design of the Jaú National Park Management Plan, and on the planning and implementation of the "Windows for Biodiversity Project". The paper was presented at a regional meeting of the Brazilian Society for the Advancement of Science (SBPC), in Manaus. Two other scientific papers are currently being written. One describes the use of GIS and socio-biological data within the "Windows" approach. The other describes the application of GIS in the planning process of a protected area. The latter will be submitted for publication in the "Parks Review" (published by IUCN).

Success stories

The Windows for Biodiversity Project aims at involving the local communities in research studies, planning, and logistical support. Four residents of the Seringalzinho "Window" are now participating as research assistants. These community residents not only receive an income, but they also actively participate in the implementation of the Management Plan.

Dissemination of lessons learned in Jaú will be boosted by the filming of two stories for Globo Ecologia, a TV program that is broadcast nationally by the most important TV network in Brazil

(Globo Net). The stories will cover the natural beauty and the management issues of Jaú National Park, and the scientific results of the Windows for Biodiversity Project.

Staffing list

WWF

Antonio Oviedo, WWF-Brazil Program Officer, is the new supervisor of the project carried out in partnership with FVA. He has been recently hired to coordinate WWF's work in the Amazon River and Flooded Forest Ecoregion.

Rosa Lemos de Sá, WWF-Brazil Conservation Program Officer, provides input on the technical aspects related to protected areas management and helps disseminate lessons learned.

Leonardo Lacerda, WWF-Brazil Conservation Director, provides program oversight.

Annex

Abstract of the paper "*A utilização do Sistema de Informação Geográfica no planejamento de pesquisa no Parque Nacional do Jaú, Amazonas, Brasil*", presented in regional meeting of Brazilian Society for the Science Progress (SBPC), Manaus – Amazonas, April 2001.

Component I - Protected Areas - Timber Management in Paragominas

Highlights

- Two new books were published by IMAZON: The Portuguese version of the book *Sustainable Amazon (Amazônia Sustentável)* was published. The contents are largely based on the data collected through the support of USAID and WWF. An English version has been produced, and IMAZON is now negotiating with the World Bank on its publication by June 2001. The book contains three major messages: 1) there are severe natural conditions excessive preventing the expansion of agriculture and ranching in the Amazon (particularly rainfall); 2) if left uncontrolled, land-use in the Amazon will be largely shaped by illegal logging and cattle ranching; 3) recommendations made in the book include the extension and consolidation of a system of protected areas for both strict protection and sustainable use. The second book, *Productivity in the Wood Processing Sector in the State of Pará (Rendimento no Processamento de Madeira no Estado do Pará)* is a study that shows that it is possible and desirable to increase the efficiency of wood processing through simple measures such as: proper storage of logs, better maintenance of equipment, and training. Such measures could increase efficiency by at least 18%.
- Four new studies were completed: 1) "Potential areas for the establishment of State Forests in Acre"; 2) "Priority areas for the establishment of National Forests in the Brazilian Amazon"; 3) "Testing vine cutting and light burning as a silvicultural treatment for vine-dominated forest patches in the Eastern Amazon"; 4) "Changes in liana abundance and species diversity eight years after liana cutting and logging in an Eastern Amazonian forest".
- A Technical Cooperation agreement has been established between WWF, IMAZON, the US Forest Service, and the State of Acre: The objective of the agreement is to help with the design and implementation of the forestry policy for the state of Acre. In the past three months, cooperation focused on: the design of a program of technical assistance for a pilot project on the certification of wood species with focus on mahogany; support for the design of a program that will deal with non-timber forest products; and a technical review of the forest survey carried out by the Secretariat of Forestry (SEFE) of the state of Acre. The experience of Acre is being disseminated to the state of Amapá, where IMAZON is being called on to provide technical assistance for the identification of the forestry potential in the state.
- Forestry Policy for the Amazon: The Ministry of Environment has invited IMAZON to participate in the discussions to formulate policies for the forestry sector in the Amazon. During this reporting period, the participation has focused on two themes: presenting suggestions to the National System of Protected Areas (SNUC); and providing technical assistance for the review and creation of standards that simplify the requirements for forestry management and that establish more strict requirements for deforestation permits.

Progress

- Work has progressed well in the following areas of study: monitoring of the growth of managed forests; regeneration in managed forests; annual growth patterns of three important timber species; liana ecology and management; silvicultural treatments for liana forests; and ecology of liana populations (please refer to the last Semi-Annual Report for greater detail).

- A second and updated version of the book *Pólos Madeireiros da Amazônia Legal* has been written and should be published in December.
- The study "*Potential areas for the creation of State Forests (FLOTAS) in Acre*" has been completed by IMAZON. Fourteen potential areas that were identified have now been integrated into the Economic and Ecological Zoning of the state of Acre.
- A compilation and synthesis of the most important studies carried out on the Brazilian National Forests, including economic analysis, management and models of concessions, opinions of the various actors involved, etc. is being prepared. In addition, the article "*Priority areas for National Forests in the Brazilian Amazon*" has been written and submitted to *Conservation Biology*.

Success Stories

The quality of the technical work provided by IMAZON to the Economic and Ecological Zoning of the state of Acre, has been recognized by the state of Amapá, which has called on IMAZON to conduct a similar study on the identification of potential sites for the creation of state forests. The work is now completed for Amapá and will be part of that state's Economic and Ecological Zoning (ZEE).

Staffing list

WWF

- *Leonardo Lacerda*, WWF-Brazil Conservation Director, oversees project implementation and reporting.
- *Luis Meneses*, WWF Program Officer for the Southwestern Amazon Ecoregion, supervises the project.
- *Luiz Carlos Pinagé*, WWF Amazon Coordinator, provides policy support to the project.

IMAZON

- *Edson Vidal*, coordinates the IMAZON project.
- *Adalberto Veríssimo, Damião Lopes, Jeffrey Gerwing, Luciana Abreu, Marco Lentini, Paulo Amaral* and *Paulo Barreto*, are researchers at IMAZON, contributing technically to the project implementation.

Annexes

- 1) Testing liana cutting and controlled burning as silvicultural treatments for liana-dominated patches in logged forest in the eastern Brazilian Amazon; (draft)
- 2) Various clippings
- 3) "Amazônia Sustentável: limitantes e oportunidades para o desenvolvimento rural", (Portuguese version)

Component I - Protected Areas – Palm Heart Management

Highlights

- The construction of the new palm heart processing factory began in December 2000.
- A monitoring and evaluation system for oversight of the construction was developed by the parties involved.

Progress

- **Palm-Heart Processing Factory:** Due to new health code regulations passed on May 9, 1999, by the federal Ministry of Health, it was determined to be more cost effective to construct a new palm heart processing plant than it would be to attempt to bring the existing plant into compliance with these higher standards. The construction of the new factory is being co-funded through a 3-party agreement between WWF, the National Council for the Development of Traditional Peoples (CNPT), and the state government of Amapá. Through a competitive bidding process that was coordinated by Amapá's Secretariat for Infrastructure Development, the construction company Metasol was contracted. Now entering its final stages, construction is estimated to be completed in June 2001.
- **Monitoring and Evaluation Course:** In November, 2000 The COOPER-CA received technical assistance from WWF's Monitoring and Evaluation Pilot Project (PPMA). The objective of this course was to improve the capacity of COOPER-CA to conduct the monitoring and evaluation processes of Cajari Project. This course focused on systematizing lessons learned to support knowledge management and monitoring and evaluation being implemented by COOPER-CA since 1997.
- **Meetings with partners:** Visits and technical meetings were held among all the partners involved in the co-financing of the project: the Government of Amapá (GEA), WWF-Brazil, CNPT, and COOPER-CA. As a result of these meetings, an action plan and tools for monitoring and evaluation were developed for providing oversight to the process of building the new factory.
- **Forestry Management Plan:** During the construction of the palm heart processing factory, staff of WWF, CNPT, and COOPER-CA determined that the harvesting of areas of mature açai palm should be halted in order to comply with the management plan for mature açai palm sites. The harvest will begin again only after the construction of the new factory is completed. The Brazilian Environmental Protection Agency (IBAMA) has conducted field analyses to verify the sustainable use and management of these areas.
- **Contracting of new Program Officer:** Antonio Oviedo was contracted by WWF-Brazil as a new Program Officer for the Amazon River and Flooded Forest Ecoregion and will now serve as the coordinator for the Cajarí Extractive Reserve Project, replacing Dejanira Fialho (WWF-Brazil, Organizational Development Program Officer).

Staffing List

WWF

- *Antonio Oviedo*, WWF-Brazil Amazon River and Flooded Forest Ecoregion Program Officer, coordinates the project;
- *Dejanira Fialho*, WWF-Brazil Organizational Development Program Officer, provides technical input to the project on aspects of organizational development;
- *Leonardo Lacerda*, WWF-Brazil Conservation Director, provides project oversight.

Partners

- *José Carlos Carvalho* , CNPT Agent of Amapá, responsible for local management of project.
- *Márcia Nazaré Souto Paiva*, State of Amapá Infra-Structure Secretary -, responsible for contracts and partnerships.

COOPER-CA

- *Arivaldo Araújo do Carmo*, President of COOPER-CA, responsible for mobilization of adults on the environmental education project.
- *Valdecy Rosa*, responsible for monitoring the process of construction of the new factory.
- *Creuza do Socorro Melo Pimentel*, financial secretary responsible for monitoring the contacts with the government

Component II - Amazon Development Policy

Highlights

- **IMAZON and WWF decide to coordinate proposals for the creation of protected areas in the Amazon:** Recognizing that NGOs could be sending conflicting messages to the government in their effort to advocate for better protection of the Amazon forests, WWF and IMAZON decided to coordinate into one single map their proposals for the creation of National and State Forests (the map that IMAZON developed for the National Forests Plan) and Protected Areas (the priority setting of protected areas WWF is developing within the scope of Project ARPA). This map will become a very powerful advocacy tool in joint policy work.
- **An Amazon Community Forest Steering Group created:** As a natural evolution of the very successful Amazon Community Forest training programs carried out in partnership by International Institute for Education in Brazil -IIEB and WWF, with support of USAID, an Amazon Community Forest Steering Group was created in February. The decision to create this Steering Group was made in a meeting hosted by WWF, with representatives attending from IMAZON, Friends of the Earth' Amazon Program, IMAFLORA (Brazilian certifier of Smart Wood Program of Rainforest Alliance Network), IIEB, and governmental agencies such as the National Program of Forests/Ministry of the Environment, Forest Resources Department-DEREF/IBAMA, Center for Sustainable Development of Traditional Populations - CNPT/IBAMA, and Forest Management Subprogram of PPG7. Representatives of USAID, GTZ/KFW and DFID also attended. The Steering Group is charged with developing an Action Plan and budget to provide financial, technical, and policy support for the implementation and dissemination of Community Forestry in Brazilian Amazonia. The goals will be to ensure an efficient, socially-responsible, and viable instrument for conserving the Amazonian rainforest, while improving the living conditions of traditional populations of the region.
- **Forest Code:** WWF-Brazil, together with Socio-Environmental Institute (ISA), GreenPeace, Socioeconomic Studies Institute (INESC), The Atlantic Forest Network, and ProNature Foundation (Funatura), adapted the SOS Forests Campaign to counter the latest attempt by Federal Congressman, Moacir Micheletto. The Congressman hopes to gain approval for a proposal to a Special Joint Commission of the Brazilian Congress to convert Provisional Measure (MP) 2080 into the permanent Forest Code. Micheletto's current proposal is much more harmful than the previous one (already reported on to USAID), as it completely distorts the spirit of the current MP, that had resulted from a democratic debate that took place within the National Council for the Environment - CONAMA. The SOS Forests Campaign received ample coverage in the media and was well-received by the public. As a result, the Joint Commission decided to postpone voting on the text of the proposed bill, and the National Confederation of Agriculture, main defender of the changes in the Forest Code, decided to enter into direct negotiations with the environmentalists.

Progress

- **Restructuring of the Amazon Team within WWF:** As part of the overall restructuring of the Conservation Program Unit of WWF-Brazil, the Amazonian team was reorganized to ensure greater integration and agility to manage the projects and activities in the region. Luiz Carlos Pinagé has been promoted to the position of Amazon Program Coordinator, and will be responsible for planning and coordinating all the WWF public policy activities for the Amazon. Two new Program Officers have been hired under his supervision in order to

coordinate WWF's two priority ecoregions in the Amazon: the Southwestern Amazon Ecoregion, where activities will be coordinated by Luís Meneses, based in a recently created office in Rio Branco; and the Amazon River Flooded Forests, where activities will be supervised by Antonio Oviedo in Brasília.

- **Economic and Ecological Zoning (ZEE):** With the concurrence of Ministry of Environment's Secretariat of the Amazon, the Natural Resources Policy Subprogram of the G7 Pilot Program to Protect Brazilian Tropical Forests (SPRN/PPG7) is considering the extension of the quality work developed by WWF with ZEE of the state of Acre, particularly its biodiversity component, to other ZEEs of Amazonian states. As a result of the work in Acre, the state of Goiás has signed an agreement with WWF-Brazil for coordinating the team that will be preparing the biodiversity components of that state's ZEE. Dissemination of the methodology of ecoregional planning within the processes of ZEE is critical, as these are likely to become the major land-use planning documents in the Amazon states. In turn, IMAZON is assisting Acre's Forest and Extractivism Secretariat (SEFE/AC) in the preparation of the maps of potential areas for the creation of State Production Forests (FLOTAS) in the Forest Component of the ZEE-AC. IMAZON and WWF's work have been serving as key tools for the development of a major proposal for Sustainable Development presented by the Acre state government to the InterAmerican Development Bank (IDB).

Success stories

In partnership with the NGO Forum of Rondônia, Ecoporé, and the Federation of Rural Workers Unions of Rondônia (FETAGRO), WWF-Brazil launched a multimedia campaign to increase awareness among the Rondonian society about the importance of critical aspects of Brazil's Forest Code. This law requires the establishment of a legal reserve of 80% of each private property in the Amazon, and the protection of all hillsides and riverine forests from clear-cutting. The message of the campaign has a positive tone, and asks land owners to conserve these areas to safeguard the environmental services that will be so critical for agriculture, particularly in this, Amazon's most devastated state. Paradoxically, in spite of its location in a rainforest, Rondônia is already beginning to feel the effect of water shortages, requiring rationing during the dry season. The Secretariat of Amazon / Ministry of Environment has demonstrated its strong support for the campaign and has promised to provide technical and financial support for magnifying the effort on an Amazon level.

Staff List

WWF

Luiz Carlos Pinagé - WWF-Brazil Amazon Program Coordinator, coordinates the Amazon Program and acts as a Public Policy Officer for Amazon issues.

Leonardo Lacerda - WWF-Brazil Conservation Director, provides project oversight

Garo Batmanian - WWF-Brazil Executive Director, participates actively in policy dialogues and chairs the FSC Working Group.

IMAZON

Edson Vidal, coordinates the IMAZON project

Researchers at IMAZON : *Adalberto Verissimo, Damião Lopes, Edson Vidal, Jeffrey Gerwing, Luciana Abreu, Marco Lentini, Paulo Amaral and Paulo Barreto.*

Annex

Various clippings

Component III - Capacity Building - Development of Effective Environmental Education Components in WWF Field Projects

Highlights

- Building capacity of WWF-Brazil EE Project through EE Project Exchange. Three-week visit by WWF-Brazil EE Program Officer to WWF-Tanzania Environmental Education Project in Tanzania in February 2001. Sharing of practical experiences and methodologies of EE in schools and communities.
- Presentation of the WWF-Brazil Environmental Education Program to WWF- Tanzania and WWF South Africa.
- The book "Aprenda Fazendo: apoio aos processos de Educação Ambiental" being used by teachers in the schools of Tocantins State.
- WWF continued to provide technical assistance to the Environmental Education components in 07 conservation and sustainable development projects.

Progress

- Three EE workshop were carried out to train 35 rural teachers from the buffer zone of the Poço das Antas Biological Reserve, RJ. The objective of the workshop was to form multipliers who could promote small EE projects in the municipal schools.
- A Workshop was carried out for 23 rural teachers from 6 schools in the buffer zone of the Chapada dos Veadeiros National Park. The objective was to sensitize teachers to include EE in the school curriculum and to identify integrated social and environmental processes related to sustainable development (ecotourism, crafts production, extractive activities). The processes of creativity, exchange of experiences, and educational practices were worked on with the teachers, who designed their own projects and will later become multipliers.
- Second phase of the Amazon Environmental Education Project is ongoing. The project is to diagnose, register and publish the most significant Environmental Education experiences in the Amazon region (States of Amapá, Pará, Amazonas, Roraima, Acre and Rondônia). The resulting publication is slated for use in primary and high school education in the Amazon region.
- Nine technical visits were made to support the Environmental Education component of conservation projects (Poço das Antas, in Rio de Janeiro, Pesacre and SOS Amazon, in Acre, Várzea, in Pará, Silves in Amazonia and Chapada dos Veadeiros, in Goiás).
- Technical visit to Poço das Antas Project resulted in the development of a new Environmental Education Plan as well as the establishment of a partnership with the local government of Silva Jardim, to train 35 teachers in the rural areas of the region.
- WWF's experiences in EE disseminated to educational public policy institutions, such as: IBAMA, Ministry of Education, Ministry of Environment, and state governments of Mato Grosso do Sul, Amapá, Acre, Pará, Roraima, Rondonia and Amazonas. The aim was to contribute to the implementation of the National Environmental Education Law, approved in April 24th 1999.
- Three local workshops (Rio Branco, Boa Vista and Macapá) of the Amazon Environmental Education Project were conducted.

Staffing List

WWF

- *Irineu Tamaio*, oversees the Environmental Education Program
- *Leonardo Lacerda*, WWF-Brazil Conservation Director, provided project oversight.

Partners

- Projects: COOPER-CA, ASPAC, FVA, Associação Mico Leão Dourado, Veadeiros Project, SOS Amazonia, Jupará, Una Municipality and Alto Paraíso Municipality.

Annexes

- 1) Environmental Education Workshop - Chapada dos Veadeiros
- 2) Environmental Education Workshop - Poço das Antas, Rio de Janeiro
- 3) Technical Report from Golden Lion Tamarin Association
- 4) Environmental Education Workshop - Silva Jardim, Poço das Antas, Rio de Janeiro
- 5) Environmental Education , Diagnosis and Experiences in the Amazon Ecoregion

Component III - Capacity Building - Training Conservation Professionals

Highlights

- Seventeen candidates (12 women, 5 men) were awarded grants in support of research for their Master's and Doctorate theses. Eight of the students are taking their graduate courses in universities located in Brazil (most of them at the University of Brasília and EAFM), six in the U.S. (University of Florida, Yale, Harvard, and Washington University at St. Louis), and three in Costa Rica. Fields of study include: management of natural resources, environmental economic administration, land use planning, management of watersheds, environmental education, forestry, forest management, conservation of biodiversity, cultural anthropology, and law.
- Sixteen people (10 women, 6 men) received grants to attend short-term courses, conferences and practical training. The support enabled the grantees to attend events in the following countries: Brazil (8), Costa Rica (3), the US (2), Thailand (1), the UK (1) and Italy (1). Themes covered: geo-processing, species management, tropical ecology, evaluation of the environmental impacts of agro-business, protected areas, rural settlements and conservation, organic soil fertilizers, wildlife management, and agriculture.
- Nine in-country training events were sponsored. 450 people were trained in the nine training events organized by IIEB and many other partners. The courses covered the following themes: Economic tools for forest conservation in Brazil (IESB-INPA); Environmental Legislation for rural producers near Una Biological Reserve (IESB), Environmental Education for the community of the Pratigi Environmental Protection Area (CRA and COOTRASB), Reuse of Solid Waste in Ituberá, Igrapiúna (CRA and COOTRASB), Environmental Education for ex-Quilombo Communities (ex-slaves) (CPI-SP, ARQMO), Timber Production and Workplace Safety in Extractive Reserves (Ecoporé), Campaign to Value Legal Reserves and riverine vegetation (Ecoporé), Funding Sustainable Initiatives through PROAMBIENTE (IPAM, FETAGRI/PA), and Landless but with Forests: Agro-ecological extension training courses for sustainable agrarian reform in the rural settlements of Pontal do Paranema (Ipê)
- Two Natureza e Sociedade Workshops were held. The themes covered were: a) Community Forest Management in the Amazon (in partnership with Pro-Manejo, DFID, GTZ, IMAZON, Imaflora, Friends of the Earth, and Lasat). This workshop was attended by 46 people, and as a result, a working group that will deal with strengthening and advancing the issue of Amazon community forestry was created. b) Communication and the Environment (WWF and IIEB). During the course, 26 participants learned how communications can be more efficiently used as a tool for environmental NGOs.
- The official creation of the International Education Institute of Brazil (IIEB) is certainly a major positive impact of the program. IIEB and WWF will work together to further strengthen the program.

Progress

- Between April 1994 and March 2001, the Natureza e Sociedade Scholarship Program has received a total of 1217 Masters and Ph.D. thesis proposals, of which 234 were approved for a total of US\$1,181,990. Currently there are 167 theses in progress, 74 Master's and 93

Ph.D., covering many different fields: Species Ecology, Genetics and Taxonomy, Community Ecology, Ecosystem Function, Fragmentation and Regeneration Effects, and Succession.

- During this reporting period, the Natureza e Sociedade Program received a total of 110 proposals for Master and Ph.D. theses. Twenty-one proposals were selected to receive grants, totaling U\$ 78,182. A total of 10 Master's and 11 Ph.D. scholarships were awarded to 10 women and 11 men.
- The quality of the proposals has increased considerably during this period, providing a challenge for the Selection Committee. As better-qualified students become aware of the program, the scholarships have become increasingly competitive, reflecting the importance of this program to the scientific community.
- An Internet website was created to distribute program information and the application form. Website capacity will be expanded to include an online application form that will feed directly into a database of applicants as well as to provide information on current program events.
- For the next reporting period, a professional will be contracted to conduct a review all of the documents (theses, reports), videos, and slides received from the current and ex-grantees. This will enable WWF and USAID to take full advantage of the applied research produced by grantees. The documentation, videos, and slides will be sorted by subject and ecoregion, and all will be made available on the Internet for such uses as campaigns, communications, and research.
- WWF has learned that, due to the cuts in the environment budget of USAID, funding for Natureza e Sociedade (as well as most other projects within the scope of our current partnership) will be discontinued. Natureza e Sociedade has undoubtedly become the single most important nation-wide program supporting the creation of a cadre of professional in the conservation and development field. Thus, in order to plan for the future, and to ensure the short- to medium- term survival of the program, together with IIEB, we have begun to identify new potential partnerships and funding. The Netherlands Embassy has been contacted, and we are awaiting a response.

Success Stories

The program has succeeded in training graduate students who are qualified and active professionals in the conservation and sustainable development field. One of the members of the last selection committee is a new university professor who completed his Ph.D. last year with the support of the Natureza e Sociedade Program.

Staffing List

WWF

- *Leandro Valle Ferreira*, Program Officer, responsible for the N&S selection committee
- *Leonardo Lacerda*, Program Director, responsible for project oversight
- *Sandra Silva*, responsible for the management of the grants

SUNY Staff

- *Cecelia Skott*, Project Director, is responsible for overall project administration, planning, and reporting as well as implementation of project activities both in the U.S. and Brazil

- *Sally Crimmins-Villela*, Associate, supports Ms. Skott in most aspects of project administration, planning and implementation
- *Ana Soares*, Project Assistant, makes travel, housing, and most other logistical arrangements and payments on behalf of participants trained outside Brazil
- *Maria Jose Gontijo*, responsible for all aspects of Brazil-based activities, including recruitment, selection, implementation, and reporting on all in-country training activities. Ms. Gontijo is aided by Administrative Assistant *Camila Pinheiro*.

Annexes

- 1) List of Training Recipients Oct. 1, 2000 to March 31, 2001
- 2) List of Proposals Approved in September 2000
- 3) Natureza & Sociedade Report - (File in pdf - Acrobat)



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LIST OF ANNEXES

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A: Jaú National Park

1) Abstract of the paper "*A utilização do Sistema de Informação Geográfica no planejamento de pesquisa no Parque Nacional do Jaú, Amazonas, Brasil*", presented in regional meeting of Brazilian Society for the Science Progress (SBPC), Manaus – Amazonas, April 2001.

B: Timber Management

- 1) Testing Liana cutting and controlled burning as silvicultural treatments for liana dominated patches in logged forest in the eastern Brazilian Amazon; (draft)
- 2) Various clippings
- 3) "Amazônia Sustentável: limitantes e oportunidades para o desenvolvimento rural" (Portuguese version)

C: Palm Heart Management

- No annex.

Component II – Amazon Development Policy

- 1) Various clippings

Component III – Capacity Building

A: Environmental Education

- 1) Environmental Education Workshop - Chapada dos Veadeiros
- 2) Environmental Education Workshop - Poço das Antas, Rio de Janeiro
- 3) Technical Report from Golden Lion Tamarin Association
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- 1) List of Training Recipients of Brazilian Conservation Professionals
- 2) List of Proposals Approved in September, 2000
- 3) Natureza & Sociedade Report - (File in pdf - Acrobat)

Semi-Annual Report

Training of Brazilian Conservation Professionals

October 1, 2000 – March 31, 2001

A. Degree Programs

- ❖ **Aldeiza Lago dos Santos**, Post-technical Amazon Forestry course, offered by EAFM, February 19, 2001 to April 15, 2002.
- ❖ **André da Silva Dias**, Master's degree program in Management of Natural Resources, at CATIE, Costa Rica through January, 2002.
- ❖ **Àpio de Araújo Conte**, Master's degree program in Environmental Economic Administration, Universidade de Brasília, January, 2001 – May, 2002.
- ❖ **Catarina Marcelo de Lima Amaral**, Master's degree program in Management of Hydrographic Bays, CATIE, Costa Rica, to December, 2002.
- ❖ **Celso Franco Damasceno**, graduate course in Planning Ecology and Environmental Education, Universidade Federal de Rondônia, August 2000 – March, 2001.
- ❖ **Clélia Regina Oliveira Guimarães**, Master's program in Economic Environmental Administration, Universidade de Brasília, held at UNIVAG – Universidade de Várzea Grande, Mato Grosso through December, 2001.
- ❖ **Eirivelthon Santos Lima**, Master's degree in Forestry, Yale School of Forestry and Environment Studies August, 2000 – May, 2002.
- ❖ **Gina Maria Timólheo da Costa Valmórbida**, Master's program in Environmental Economic Administration, Universidade de Brasília, held in the state of Mato Grosso through February 2002.
- ❖ **Kátia Carneiro**, Master's of Arts in Latin American Studies, University of Florida, Gainesville, Florida through August 2001.
- ❖ **Maria da Penha Padovan** Master's degree program, Forest Management and Conservation of Biological Diversity at CATIE, in Costa Rica, January – December, 2001.

- ❖ **Neila Soares da Silva**, three-year Tropical Conservation and Development Program, Center for Latin American Studies, University of Florida, January, 2001 to December, 2003.
- ❖ **Nilza de Souza Miranda**, Post-technical Amazon Forestry course, EAFM, and February 19, 2001 to April 15, 2002.
- ❖ **Roberto Porro**, Doctoral program in Cultural Anthropology, University of Florida, to August, 2001.
- ❖ **Romana Coelho de Araújo** Master's in Environmental Economic Administration, Universidade de Brasília, January 2001 – March 2002.
- ❖ **Sofia Hirakuri**, Doctoral program in Juridical Science, St. Louis School of Law, Washington University, through August 2001.
- ❖ **Tânia Mara Resende Matos Silva**, Master's in Environmental Economic Administration, Universidade de Brasília at UNIVAG, January 2001 – March 2002.
- ❖ **Thais Corral** experiential training of MPA, John F. Kennedy School of Government, Harvard University through August 2001.

B. Short Courses, Conferences and Practical Training

- ❖ **Ana Cláudia Guimarães Bittencourt** field research on the island of Fernando de Noronha, Pernambuco, March 1 – December 23, 2000.
- ❖ **Anael Aymoré Jacob**, "Wildlife Radiotelemetry: Design & Analysis", University of Idaho, in Moscow, Idaho, March 18 - March 23, 2001; internship in ecology and management prairie falcons, Prairie Falcon Project, USGS Forest & Rangeland Ecosystem Science Center, Boise, Idaho, March 24 - April 20, 2001.
- ❖ **Carlos Christian Della Giustina**, field research on the island of Fernando de Noronha, Pernambuco, March 1 – December 23, 2000.
- ❖ **Cláudia Moreno Paro**, Intensive Field Course in Tropical Ecology and Conservation, 2001-2, Organization for Tropical Studies – OET, Costa Rica, January 16th – March 10, 2001.
- ❖ **Éder Comunello**, Numeric Land Modeling, INPE, Sao Jose dos Campos, Sao

Paulo, September 2-6, 2000.

- ❖ **Grayton Tavares Toledo**, Evaluation of Agribusiness Projects and their Environmental Impact, EARTH, Costa Rica, November 13 – 17, 2000.
- ❖ **Lais Sonkin II** Brazilian Congress of Conservation Units, Rede Nacional Pró Unidades de Conservação, Campo Grande, Mato Grosso do Sul, November 5 - 9, 2000.
- ❖ **Laury Cullen Jr.** presented the results of the training program on conservation, developed in the MST (Landless Movement) rural settlements at the Conservation Science Conference, The University of Cambridge, UK; study visit to The University of Kent, UK, March 24 – April 1, 2001.
- ❖ **Lígia Moreira da Rocha** Community-based Tourism for Conservation and Development, The Mountain Institute – TMI and The Regional Community Forestry Training Center – RECOFTC, Bangkok, Thailand, February 19th – March 16, 2001.
- ❖ **Líviam Elizabeth Cordeiro** Rural Development based upon Natural Management of Tropical Ecosystems, CATIE, Turrialba, Costa Rica October 30 to November 26, 2000.
- ❖ **Lucas Santana**, Organic Soil Fertilizers, IENS – Instituto de Ensino de Negócios Sustentáveis, in Sao Paulo, March 2001 – March 2002.
- ❖ **Luiz Guilherme Marins de Sá**, Latin American Course on Conservation Biology and Wild Life Management, Instituto de Pesquisas Ecológicas – IPÊ, and Smithsonian Institution, at Morro do Diabo State Park, state of São Paulo, November 6 – December 6, 2000.
- ❖ **Márcia Riederer** Latin American Course on Conservation Biology and Wild Life Management, Instituto de Pesquisas Ecológicas – IPÊ, and Smithsonian Institution, at Morro do Diabo State Park, state of São Paulo, November 6 – December 6, 2000.
- ❖ **Maria Sueli Heberle Mafra** six-month technical training program on Biodynamic Agriculture, “Azienda Agricola Fabrizio Rossi e Antonio Rossi”, Canosa, Italy, January – June, 2001.
- ❖ **Milena Ganzelevitch Gramacho**, Latin American Course on Conservation Biology and Wild Life Management, Instituto de Pesquisas Ecológicas – IPÊ and Smithsonian Institution, at Morro do Diabo State Park, state of São Paulo, November 6 – December 6, 2000.

- ❖ Nadja Maria Lepsch da Cunha Nascimento one-year research visit on DNA markers of the arboreal palm, *Oenocarpus bacaba*, Georgetown University, Washington D.C., January 2001 – January 2002

C. In-country Training Events Sponsored

- ❖ **Economic Tools for Forest Conservation in Brazil,** The Conservation Strategy Fund, Itacare, Bahia December 1-14, 2000:

1. Antônio Cláudio Lisboa Horta Barbosa
2. Carolina Joana da Silva
3. Cláudia Maria Rocha Costa
4. Claudia Mattos da Silveira
5. Daniela Barbarie Novaes
6. Eduardo Moreira Garcia
7. Fani Mamede
8. José Max Dias Figueira
9. Juscely Magalhães Pereira Dias
10. Luciana Lopes Simões
11. Luís Henrique de Lima
12. Marcelo Ângelo Calegari da Silva
13. Marcelo Monteiro
14. Maria Alice Correa Tocantins Resende
15. Patrícia Delamônica Sampaio
16. Paulo Garcia
17. Leonardo Hasenclever Borges
18. Rubens Ramos Mendonça
19. Ricardo de Assis Mello
20. Wilson Cabral de Sousa Júnior

Environmental Legislation Workshops for Rural Producers on the Outskirts of the Una Biological Reserve, The Instituto de Estudos Sócio-ambientais do Sul da Bahia – (Institute for Social and Environmental Studies in Southern Bahia) – IESB, Una, Bahia, four one-day workshops held on November 27, 28, 29 and December 18, 2000.

1. Ailton Luis Santos
2. Alex Nascimento Mota
3. Alfeu Oliveira Santos
4. Antonio Lourenço
5. Antonio Pedro Tavares Braga
6. Antonio Ribeiro dos Santos
7. Antonio Vidal dos Santos
8. Aristides Amaral da Silva
9. Arnon Oliveira Ramos

10. Associação Santo Antonio
11. Carlos Silva Santos
12. Cosme Souza Ribeiro
13. Cristina Maria Pereira Guimarães
14. Cristovão Borges Lisbôa
15. Delmiro de Souza Brito
16. Edgard Dionísio Soares
17. Edileuza Santos da Silva
18. Eide Almeida Vaz
19. Elias das Dores Mota
20. Elio L. Junior
21. Eronildes Dias Santana
22. Etauro Romário Alves
23. Evandro de Santana
24. Evonildo Batista Santos
25. Florentina Santana
26. Floriano Jesus Chaves
27. Francisca Isabel da Silva
28. Francisco
29. Francisco de Assis Freire de Souza
30. Francisco Soares
31. Genário Oliveira da Silva
32. Geuza Santos Miguel
33. Gilberto Santos Lisboa
34. Gilson Jose dos Santos
35. Gilvan Rodrigues dos Santos
36. Hugo Passos dos Santos
37. Jacocio Barreto
38. Jaime Alves dos Santos
39. José Eugenio Batista Dias
40. José Balbino Filho
41. José Carlos Bonarte
42. José Mota Soares
43. Jose Pedro Carlos Oliveira Silva
44. José Raimundo Santos Souza
45. Josnei da Silva Santos
46. Judite
47. Laurindo Farias dos Santos
48. Manoel Brito dos Santos
49. Manuel Pereira de Santana
50. Maria Célia S. Mendonça
51. Maria Dias da Silva
52. Marilei Luis dos Santos
53. Max do Carmo
54. Nairdes Maria dos Santos

55. Nelson Pereira Santos
56. Nilmo dos Santos Zambou
57. Otávio Aragão dos Santos
58. Paulo Reis
59. Pedro Alves Santos
60. Railton Silva Oliveira
61. Raimundo dos Reis Santos
62. Raimundo Simões Oliveira
63. Reinaldo dos Reis Santos
64. Sebastião Oliveira da Silva
65. Silva de Jesus
66. Sinval de Souza
67. Sinval de Souza Pires
68. Ubirajara da Silva
69. Walter Lima de Sousa

❖ Environmental Education for the Community of the Pratigi
Environmental Protection Area , Centro de Recursos Ambientais (Center for
Environmental Resources) – CRA:

Reusing of Natural Resources in the Creation of Arts and Crafts Ituberá, Bahia, October 8
– 14, 2000.

1. Albenice Miranda dos Santos
2. Analúcia Rosa Coutinho
3. André Santos Silva
4. Andréa dos Santos
5. Angélica Alves Melo
6. Cerise Mendes de Jesus
7. Cristiane Conceição Ribeiro
8. Dimas Ribeiro dos Santos
9. Fabrine Amaral Barbosa
10. Jefferson Gomes Santos
11. Joeleno Santos da Anunciação
12. Jorge Luiz Santos Silva
13. Leonival Ribeiro dos Santos
14. Lucenir dos Santos Azevedo
15. Luzia Teodórica da Conceição Neta
16. Mirian Monteiro da Costa
17. Rita de Cássia Gonçalves da Silva
18. Vera Lúcia Coutinho Silva
19. Verlusa da Hora Santos
20. Virgínia Lúcia Costa Ventura

Reusing of Natural Resources in the Creation of Arts and Crafts Nilo Peçanha, Bahia, October 15 – 19, 2000.

1. Adriana Conceição da Hora
2. Anaildes Silva Costa
3. Carmem Silva Costa
4. Dalvalice Silva da Hora
5. Edna Gonçalves
6. Ednaildes da Conceição
7. Genimara da Hora Santos
8. Gerusa Adriana Moura de Deus
9. Gisabel Conceição dos Santos
10. Ildes Bonfim Costa
11. Juliane Santos Costa
12. Karina Coutinho da Silva
13. Laura dos Santos Ribeiro
14. Lidiane da Hora Santos
15. Luciane Bonfim da Conceição
16. Madalena Coutinho da Silva
17. Maria Almeida da Silva
18. Maria Romilda de Jesus Moraes
19. Mariane Conceição Soares
20. Marisa Costa dos Santos
21. Noemia Conceição dos Santos
22. Perivaldo Conceição dos Santos
23. Ravila Catarina de Deus Hora
24. Rocilda Costa dos Santos
25. Simone Coutinho da Silva
26. Socilene Hora dos Santos

Reusing of Natural Resources in the Creation of Arts and Crafts Igrapiúna., Bahia, 20 – 25, 2000.

1. Adevana Soares Mendes
2. Adriana Nascimento dos Santos
3. Daniel Castro Pereira
4. Daniela Castro Pereira
5. Deidiane Sena Dócio
6. Dinalva Machado de Carvalho
7. Durval Mattos Silva
8. Edivania Santos Lima
9. Elenildo Farias Bonfim
10. Ivanilda Pereira Nascimento
11. Janaína Santos Nascimento

12. Luana Santos Pereira
13. Marinalva Alves dos Santos
14. Mateus Paixão dos Santos
15. Sirleide Ramos Batista Santos
16. Vilma Andrado da Conceição

Reuse of Solid Waste, Ituberá, Igrapiúna and Nilo Peçanha, Bahia, December 2 – 3, 2001 and December 15 – 16, 2001:

1. Agda Maria V. Souza
2. Agneila Gomes dos Santos
3. Calmira Conceição dos Santos
4. Celidalva Rocha
5. Deidiane Sena Dócio
6. Dilma Ribeiro de Jesus
7. Ediléia Maria Bonfin Santos
8. Elisângela F. Tiago de Almeida
9. Fabiana Márcia Silva Souza
10. Flordeci M. do Espírito Santo
11. Iltalma Costa Moreira
12. Iraildes Santos Gomes
13. Josafá Silva do Rosário
14. Josenice de Oliveira
15. Josenilda Rocha da Silva
16. Lenir Souza Damásio
17. Lindacy da Conceição Santos
18. Lucinéia do Rosário
19. Marilê Oliveira Ramos
20. Marineide Silva Santos
21. Patrícia Luz Ramos
22. Raimundo Santos
23. Rozana Souza Nascimento
24. Simone Néri Vilas-Boas
25. Virgínia Lúcia Costa Ventura
26. Zuleide de Jesus Cerqueira

❖ Environmental Education for *Quilombola* Communities

Comissão Pró-Índio de São Paulo (Sao Paulo Pro-Indian Commission)– CPI/SP, in a partnership with Associação das Comunidades Remanescentes de *Quilombos* de Município de Oriximiná (Association of Communities of Descendants of Runaway Slaves) five three-day workshops and two field visits:

The first workshop was held at the communities of Abuí and Paraná-Abuí, September 8 – 10, 2000:

1. Albenize Printes
2. Alqueres Caldeira Mendes
3. Antônio Silvério Viana
4. Argemiro Vieira
5. Ari Carlos Printes
6. Ediogenio Nunes Cordeiro
7. Edjares Garcia Cordeiro
8. Felipe Mascêno Monteiro
9. Idaliete Adão
10. Ivonete Xavier
11. João Paulo Cordeiro
12. José Adalto Adão
13. Josenilson C. Mendes
14. Lucilene dos Santos
15. Manoel de Nazaré Adão
16. Manoel Edilson Adão
17. Maria Madalena Garcia Cordeiro
18. Maria Normisse C. Xavier
19. Maria Rita Garcia Cordeiro
20. Normieth C. Xavier
21. Osmarelino dos Anjos
22. Oziane Mendes
23. Ozivaldo Xavier
24. Raimundo Printes do Carmo
25. Raimundo Souza
26. Reginaldo Cordeiro
27. Riginaldo Printes
28. Roseni Colé Viana
29. Rosiete Colé Xavier
30. Sotero Cordeiro
31. Zita Mendes

The second workshop was held at the communities of Tapagem, Sagrado Coração and Mãe Cué, September 11 – 13, 2000:

1. Adailse do Carmo dos Santos
2. Adamilton de Jesus dos Santos
3. Arnelio Pires
4. Clarice Xavier de Souza
5. Claudiane Xavier de Souza
6. Domingos Silvério Viana
7. Florêncio Ferreira da Silva
8. Ida Carmem dos Santos
9. Ismael Ferreira da Silva

10. Ivanildo Pires dos Santos
11. Jedson Raimundo Xavier de Souza
12. Jesus Lucivete da Silva Cordeiro
13. Jonas dos Santos Silvério
14. Manoel Maria Andrade dos Santos
15. Maria do Carmo dos Santos
16. Maria Flora Valério
17. Maria Raimundo Pita
18. Maria Salomé dos Santos
19. Maria Sanete dos Santos Cordeiro
20. Maria Vieira dos Santos
21. Miguel Printes do Carmo
22. Raimundo Valério Cordeiro
23. Roseni Silvério
24. Silvio Santos Rocha
25. Sivaldo dos Santos
26. Vanilda dos Santos

The third workshop was held at the community of Jamari, September 14 – 16, 2000:

1. Antônio Pereira dos Santos
2. Carlos José Pereira dos Santos
3. Cosmo Cordeiro Salgado
4. Ediley Constantino Salgado
5. Idenilda Pereira dos Santos
6. Iolanda Fernandes de Jesus
7. Izanildes de Jesus Cordeiro
8. Jaime Andrade dos Santos
9. João Raimundo Andrade dos Santos
10. José Ilson de Jesus Cordeiro
11. José Solano Farias
12. Laelson Fernandes Régis
13. Mário Jorge
14. Pedro Marques dos Santos

The fourth workshop was held at the communities of Juquiri Grande, Último Quilombo do Erepecú, and Palhal, September 17 – 19, 2000:

1. Ana Célia Costabilis de Souza
2. Ana dos Santos
3. Antônia dos Santos Canuto
4. Antônio Aurélio
5. Armando Gonçalves
6. Cândido Barreiros de Souza
7. Creuza Andrade

8. Edneia de Jesus Reis
9. Elaine P. Gonçalves
10. Elcinaldo Pereira Gonçalves
11. Francisco Newton F. Reis
12. Jorge Gós de Souza
13. José Ademil dos Santos Barbosa
14. José Adomiro Castro dos Santos
15. José Carlos
16. Lúcia Helena de Oliveira
17. Luzia Clemente dos Santos
18. Luzinete Gomes da Silva
19. Maria Luiza Pereira dos Santos
20. Maria Mendes
21. Maria Nézia Costabilis de Souza
22. Raimundo Alves dos Santos
23. Raimundo Cordeiro de Souza
24. Rosana Souza dos Santos
25. Rosilane Souza dos Santos

The fifth workshop was held at the communities of Moura and Boa Vista, September 20 – 22, 2000:

1. Clóvis Silva Almeida
2. Edneu Oliveira de Jesus
3. Francinei Oliveira de Jesus
4. Francisco Colé
5. Francisco Martins
6. Gracilene Oliveira de Jesus
7. Gracinete Oliveira de Jesus
8. Idenilson Colé de Souza
9. Ilce Fernandes Constantino
10. José dos Santos
11. José Lopes dos Santos
12. Josiane dos Santos Silva
13. Jucivaldo Oliveira de Jesus
14. Keile Siqueira
15. Lenilton Santos de Jesus
16. Lucinei Fernandes Constantino
17. Maria do Carmo Colé Viana
18. Maria do Carmo Lima
19. Maria dos Santos
20. Mário dos Santos
21. Neilson Fernandes Constantino
22. Raimundo da Silva Borges
23. Reinaldo Santos

- 24. Rivaldo Colé dos Santos**
- 25. Santana Cordeiro**
- 26. Vanilson Anjos Silva**
- 27. Zuleide Viana**

The first visit to the Rio Norte Mining Project included participants from the communities of Juquiri Grande, Jamari, Último Quilombo do Erepecú, Boa Vista and Palhal, and was held October 26, 2000:

- 1. Antônia dos Santos Canuto**
- 2. Antônio Marcos Duarte Salgado**
- 3. Carlos José Pereira dos Santos**
- 4. Edneia de Jesus Reis**
- 5. João Raimundo Andrade dos Santos**
- 6. José Adenildo dos Santos Barbosa**
- 7. José Adomiro Castro dos Santos**
- 8. José dos Santos**
- 9. José Salgado Cordeiro**
- 10. José Solano Farias**
- 11. Luzia Clemente dos Santos**
- 12. Luzinete Gomes da Silva**
- 13. Maria Luiza Pereira dos Santos**
- 14. Zuleide Viana dos Santos**

The second visit to the Rio Norte Mining Project included participants from the communities of Abuí, Mãe Cué, Tapagem, Paraná, and Sagrado Coração, November 24, 2000:

- 1. Albenize Printes**
- 2. Antônio Silveira Mendes**
- 3. Clarice Xavier de Souza**
- 4. Edjanes Garcia Cordeiro**
- 5. Felício Valério Cordeiro**
- 6. Idaliete Adão Monteiro**
- 7. Jedson Raimundo Xavier de Souza**
- 8. João Paulo Cordeiro**
- 9. José Nilson Mendes**
- 10. Manoel Maria Andrade Santos**
- 11. Maria Elza Valeiro**
- 12. Maria Raimunda Pita**
- 13. Maria Salomé dos Santos**
- 14. Maria Sanete dos Santos Cordeiro**
- 15. Normiethe Cordeiro Xavier**
- 16. Silvado dos Santos Cordeiro**
- 17. Sotero Cordeiro**

❖ **Timber Production and Workplace Safety in an Extractive Reserve Setting**

ECOPORÉ - Ação Ecológica Guaporé, (Guapore Ecological Action) Operation of the Four-Edge Saw, was held October 20 – December 2, 2000:

1. Francisco Xavier do Nascimento
2. Lindete Pantoja Adrião
3. Maria do Carmo de Souza
4. Neci Pantoja de Oliveira
5. Raimunda Pantoja
6. Rosilene Xavier Pantoja

❖ **Seminar to Launch the Campaign to Value Legal Land Preserves and Vegetation on the Banks of Local Rivers**

Ação Ecológica Guaporé – ECOPORÉ (Guapore Ecological Action), Porto Velho, in the state of Rondônia, March 19 - 20, 2001.

1. Ademar Santos da Silva Filho
2. Aladim Gomes
3. André Andrade Pereira
4. Carlino Lima
5. Carlos Arthur Kruger Passos
6. Cássio Alves Pereira
7. Demóstenes A. Alves de Moraes
8. Eduardo José
9. Erly Pedro dos Santos
10. Fani
11. Gutemberg Marques Soares
12. Ima Vieira
13. Inocêncio Renato Gasparini
14. João Palmeira Júnior
15. Joaquim Correia de Souza Belo
16. Jorge Henrique Garcia
17. José Edilson Maciel D'avila
18. José Evaldo Gonçalo
19. José Pereira dos Reis
20. José Sales do Nascimento
21. Juanes Pereira de Souza
22. Letícia Rangel
23. Luciano Mattos
24. Manoel Carlos Dantas

25. Marcio Fontes
26. Maria Araújo
27. Maria Lucinéia de Sousa
28. Maria S. C. da Silva
29. Murilo Flores
30. Pedro Ramos Souza
31. Rita da Luz Serra
32. Sandra Mara de Moraes Jardim
33. Sebastião Machado Oliveira
34. Selma Yuki Ishii
35. Silvio Brienza
36. Solange Ferreira Alves
37. Thomas Fatneuer

❖ Funding Sustainable Initiatives through PROAMBIENTE

The Institute for Environmental Research of Amazonia – IPAM, March 19 – 20, 2001, in Brasília, DF.

1. Ademar Santos da Silva Filho
2. Aladim Gomes
3. André Andrade Pereira
4. Brunilda Nascimento
5. Carlino Lima
6. Carlos Arthur Kruger Passos
7. Carlos E. F.
8. Carmem Helena
9. Cássio Alves Pereira
10. Demóstenes A. Alves de Moraes
11. Eduardo José
12. Erly Pedro dos Santos
13. Fani
14. Galvania Queiroz Galvão
15. Gilson Bittencourt
16. Gutemberg Marques Soares
17. Ima Vieira
18. Inocêncio Renato Gasparini
19. João Palmeira Júnior
20. Joaquim Correia de Souza Belo
21. Jorge Henrique Garcia
22. José Edílson Maciel D'avila
23. José Evaldo Gonçalo
24. José Pereira dos Reis

25. José Sales do Nascimento
26. Juanes Pereira de Souza
27. Letícia Rangel
28. Luciano Mattos
29. Manoel Carlos Dantas
30. Marcio Fontes
31. Marcio Santini
32. Maria Araújo
33. Maria da Graça Amorim
34. Maria Lucinéia de Sousa
35. Maria S. C. da Silva
36. Murilo Flores
37. Pedro Ramos Souza
38. Raimunda Monteiro
39. Rita da Luz Serra
40. Sandra Mara de Moraes Jardim
41. Sebastião Machado Oliveira
42. Selma Yuki Ishii
43. Silvio Brienza
44. Solange Ferreira Alves
45. Thomas Fatneuer

❖ **Landless but with Forests: Agro-ecological extension training courses for a sustainable agrarian reform in the rural settlements of Pontal de Paranapanema, São Paulo**

Instituto de Pesquisa Ecologica – IPÊ (Institute for Ecological Research), Teodoro Sampaio, Sao Paulo from December 12, 2000 - February 14, 2001.

1. Adão Luiz Miranda
2. Adriana Oliveira
3. Antônio Aparecido do Nascimento
4. Antônio Cramolisch
5. Aparecida Martins
6. Cícero Felix
7. Éderson Azevedo Costa
8. Ermelinda Ventura da Silva
9. Gilberto Bandeira de Souza
10. Ivanete Maria Silva
11. Joel de Souza Pereira
12. José Cícero Dias
13. José Leandro Santos
14. José Moraes de Souza
15. Leandro F. Bastista
16. Liliane Moreira Batista

17. Lourenço Gonçalves Araújo
18. Lúcia Ferreira Araújo
19. Márcio de Souza
20. Maria Augusta dos Santos
21. Maria Simoa
22. Nely Rodrigues Santos
23. Neuza Maria de Almeida
24. Pedro Francisco Nascimento
25. Qutéria Azevedo Costa
26. Ramira Lúcia Vieira
27. Ricardo Azevedo Costa
28. Rita de Cássia Moreira
29. Sueli Silva dos Santos
30. Teodomiro Rodrigues dos Santos
31. Valter Oliveira Silva

III - Nature & Society Workshops

❖ *IV WORKSHOP ON COMMUNITY FOREST MANAGEMENT*

Boa Vista do Ramos, state of Amazonas, October 23 - 27, 2000:

1. Adalberto Otavio Nanlikwara
2. Ademar de Souza Fernandes
3. Ademir Heuberto Leal de Sá
4. Adenilton Paixão da Silva
5. Alexandre Souza e Silva
6. Amarildo Marinho Pereira
7. Ambrózio Marinho da Silva
8. André de Oliveira Melo
9. André Giacini de Freitas
10. Antônio Flávio Barros Setubal
11. Carlos César Durigan
12. Cassio Henrique Giusti Cezane
13. Elias Melo de Miranda
14. Gilson de Queiróz Branco
15. Guilherme Teixeira de Moura
16. Henrique Rodrigues de Miranda
17. Iliana Salgado
18. Izaque Ferreira da Silva
19. Jonas Villas Boas
20. José Dinelli
21. José Lúcio do Nascimento Rabelo
22. José Nicanor Pedroso de Miranda

23. Josué Linhares Carvalho
24. Laurene Martins Rocha Nunes
25. Lauristela Rocha
26. Livaldo Teles de Amorim
27. Luis Henrique Cunha
28. Luiz Carlos Pinagé de Lima
29. Luiz dos Santos Nogueira
30. Maria do Socorro Gonçalves Ferreira
31. Maria Selma Condeira Peres
32. Milton Machado
33. Nestor Marques Gonçalves
34. Osvaldo Castro de Oliveira
35. Philippe Waldhoff
36. Raimundo dos Santos Alcântara
37. Rodolfo Salm
38. Rodrigo Antonio Pereira Junior
39. Rossynara Batista Cabral Marques Aguiar
40. Rubens Etones Gomes
41. Rubens Ramos Mendança
42. Sandra Regina da Costa
43. Sebastião Gordelha da Silva
44. Sidney Rudhjá Barbosa
45. Takiri Teôti
46. Urbano Lopes da Silva Júnior

❖ *IV COMMUNICATION AND ENVIRONMENT COURSE*

Belém, state of Pará, October 9 - 13, 2000:

1. Ailton Dias dos Santos
2. Aldecy Antônio Pereira
3. Andréa Cattaneo
4. Antônio Macedo Neto
5. Cleciene Dias Mendonça
6. Divino de Azevedo Silva
7. Edinelson José M. Neves
8. Elivan Arantes de Souza
9. Elizena de Jesus Rossy
10. Gláucia Regina Maders
11. Izildinha de Souza Miranda
12. Joelma Cavalcante de Souza
13. Leandro Valle Ferreira
14. Lígia Kloster Apel
15. Luiz Gonzaga Costa

16. Marcelo Cardoso
17. Maria Dalce Ricas
18. Maria das Graças Ninos
19. Maria do Socorro Oliveira
20. Maria Marli da Silva
21. Newton Marcelo dos Santos
22. Rita Suely de Queiróz
23. Rui Manuel Ludovino
24. Ruth Helena Almeida
25. Sérgio Alécio
26. Socorro Nazaré Dias